

sidebar

Student Group

First Name	Surname	Matrikel Nr.

Table of Contents

Content Constants Calc

EST - Elektronische Schaltungstechnik

Block 00 — Überblick

Realer Widerstand & Signale

Block 01 — Reale Bauteile

Block 02 — Bode & dB

Block 03 — Reale Kondensatoren

Block 04 — Passive Filter

Analog & Schutz

Block 05 — OPV & aktive Filter

Block 06 — Komparator & Hysterese

Block 07 — VREF & OCP

Leistungselektronik

Block 08 — MOSFET-Schalter

Block 09 — Halbbrücke & Motor

Block 10 — High-Side-Treiber

Block 11 — H-Brücke & PWM

Block 12 — DC/DC & System



Charge on electron (e)	$1.60217634 \times 10^{-19} \text{ C}$
Avogadro's number (NA)	$6.022142 \times 10^{23} \text{ 1/mol}$
Permeability of vacuum μ_0	$12.566370614 \times 10^{-7} \text{ Vs/Am}$ $4\pi \times 10^{-7} \text{ Vs/Am}$
Permittivity of vacuum ϵ_0	$8.854187817 \times 10^{-12} \text{ As/Vm}$

From:

<https://wiki.mexle.org/> - **MEXLE Wiki**

Permanent link:

https://wiki.mexle.org/elektronische_schaltungstechnik/sidebar?rev=1790524689

Last update: **2026/09/27 17:58**

